

Certified Validation Report Template, Part A: Provided by Validator

Audit Information

Water System Name: City of Antioch

Public Water System Identification (PWSID)¹: CA0710001

¹List only 1 PWSID, which should match the PWSID on the FWAS Instructions Tab. For Special cases where multiple water systems are connected with permanent two-way interties, list those additional PWSIDs in the Notes below and describe the water distribution system(s) configuration.

PWSID and Water System Configuration Notes (Provided to Validator by Water System):

Audit Period: FY 2021

Water System Representatives

Validation Date: 11/16/2021

Sufficient Supporting Documents Provided: Yes

Shaun Connelly, Brandy Brooks

Validation Findings & Confirmation Statement

Key Audit Metrics:

Data Validity Score:	60	Data Validity Band (Level):	Band III (51-70)	Real Loss:	4.59	gal / conn / day
Non-revenue water as percent of cost of operating system:			4.3%	Apparent Loss:	5.88	gal / conn / day

ILI: 0.32

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

If not, rejected recommendations are included here:

Validator Information

Water Audit Validator: Jessica Jagdeo Qualifications: Water Audit Validator Certificate issued by the CA-NV Section of the AWWA

Validator Provided



Certified Validation Report Template, Part B: Provided by Utility

Water System Name: City of Antioch

Public Water System Identification (PWSID)²: CA0710001

²List only 1 PWSID, which should match the PWSID on the FWAS Instructions Tab. For Special cases where multiple water systems are connected with permanent two-way interties, those additional PWSIDs should have been listed in the Notes section on Page 1 by the Validator.

Water Audit & Water Loss Improvement Steps:

1. Steps Taken: Water System to identify steps taken in the preceding 3 years to increase data validity, reduce real loss, and reduce apparent loss as informed by the annual validated water audit:

Continued year round systemwide valve turning program: The program accurately records detailed valve information, ensures valve reliability in the event of an emergency, allows staff the ability to immediately isolate water lines for main flushing and for main breaks, extends valve life and results in less staff overtime in dealing with emergency repairs.

2. Planned Steps (OPTIONAL): If your audit reflects negative real losses or the cost of non-revenue water is greater than 100% of the operating costs (issues for which your audit will not meet code requirements), you will be asked what steps you are planning in the coming year to address these issues. If you already know what steps you plan to take, you may list them here. If not, please prepare a response within 90 days (23 CCR Section 638.6[a]).
N/A

Utility Provided

3. Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

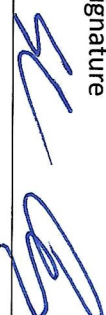
Executive Name (Print)

Shaun Connelly

Executive Position

Water Distribution Superintendent

Signature



Date

12/6/2021